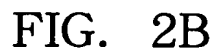
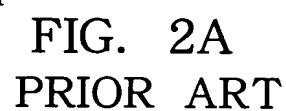
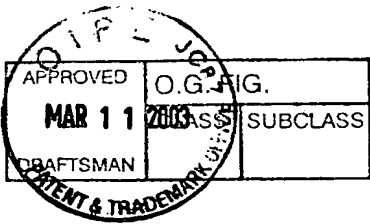


FIG. 1





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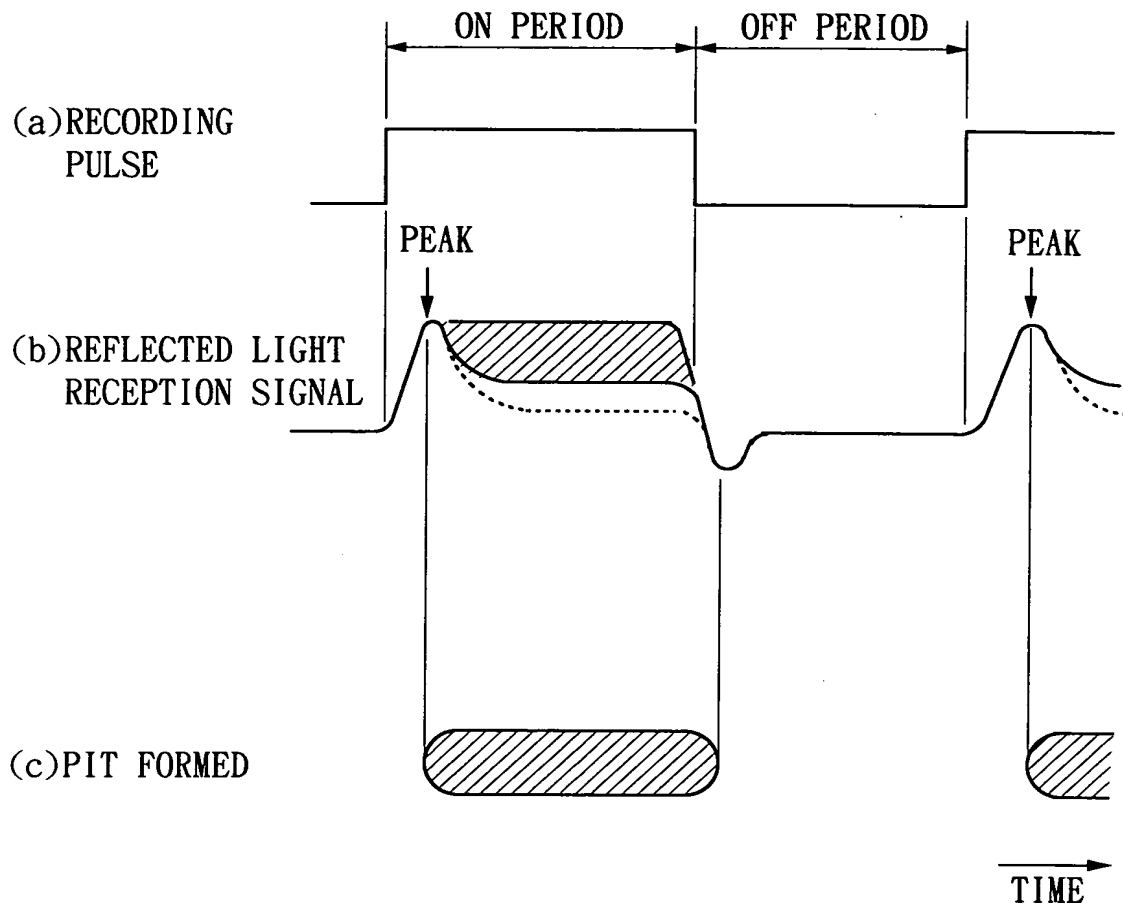


FIG. 4
PRIOR ART

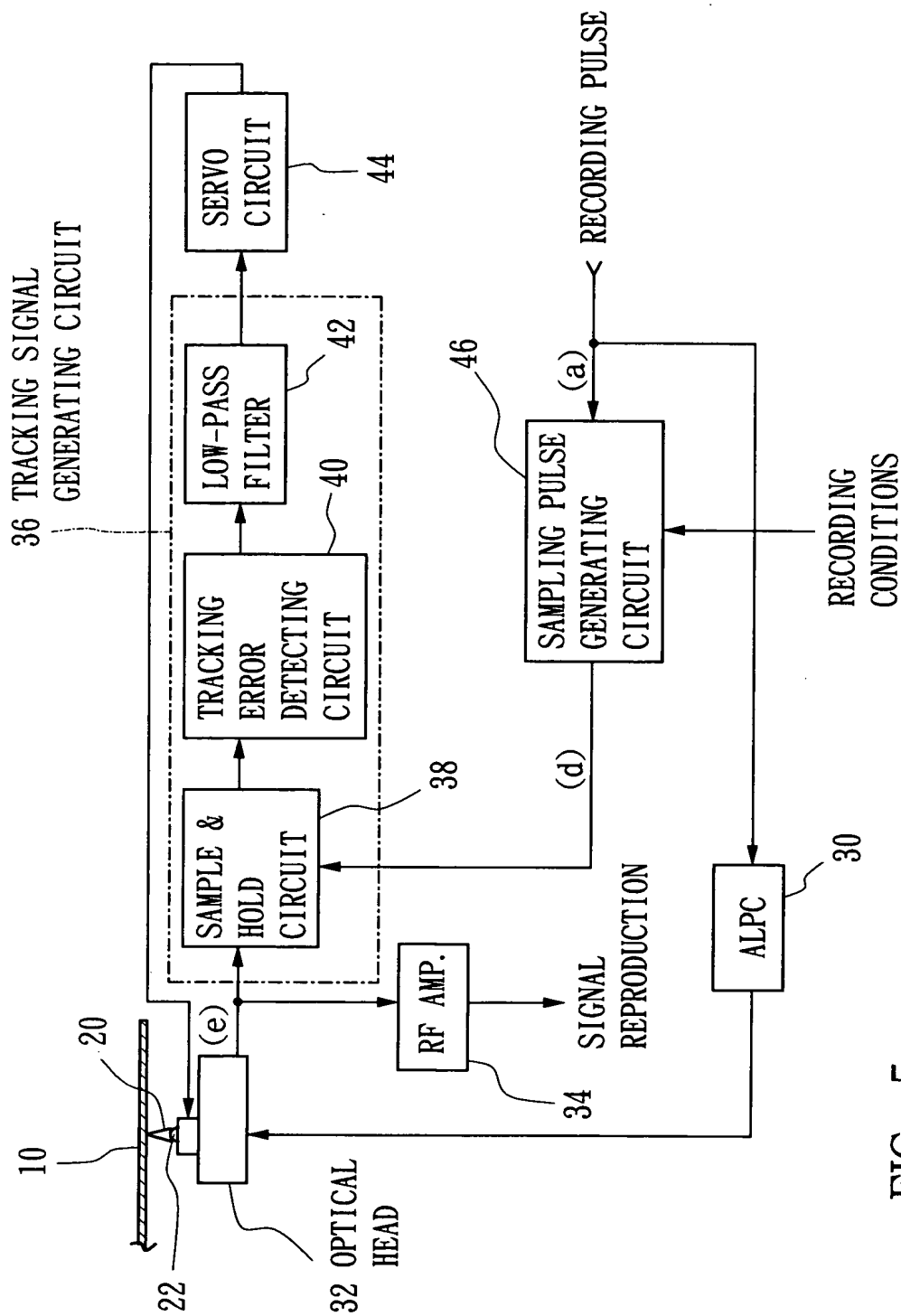


FIG. 5

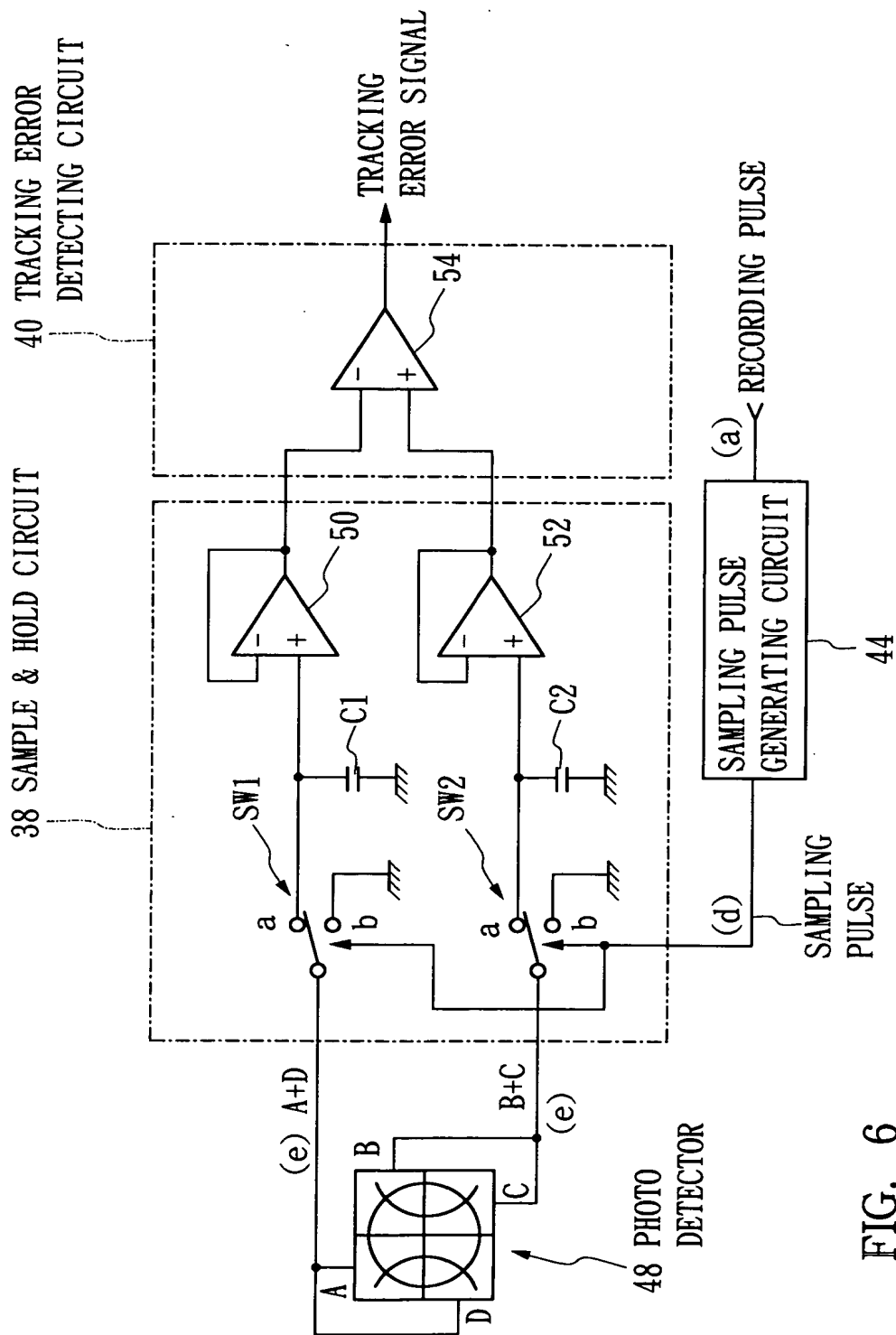
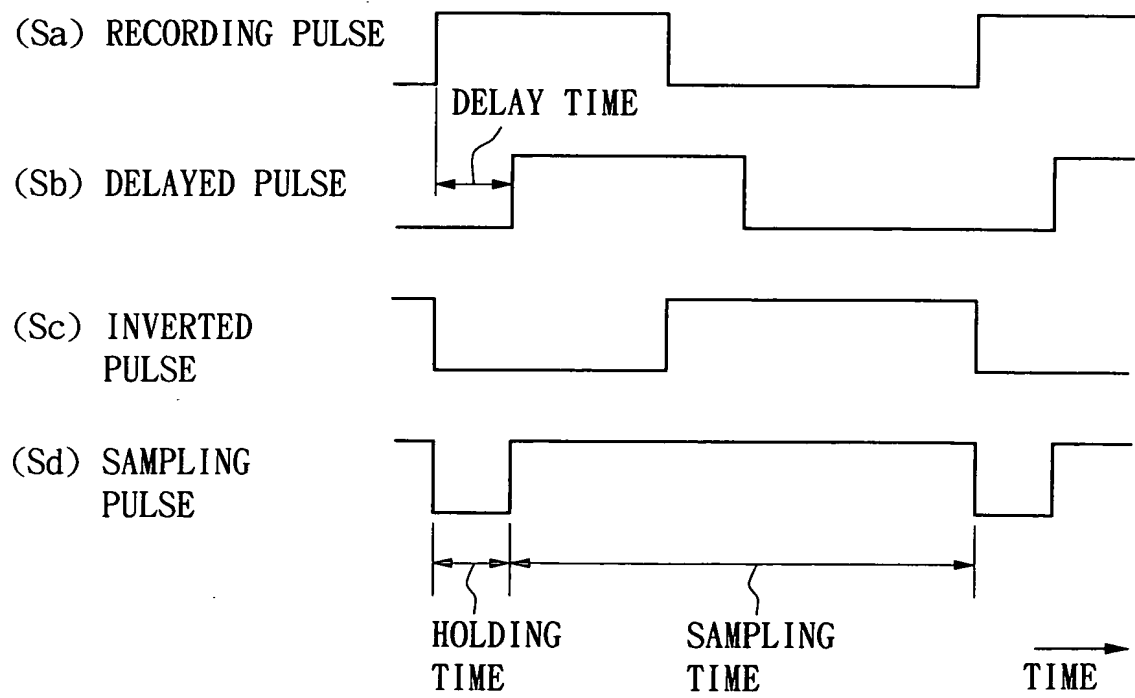
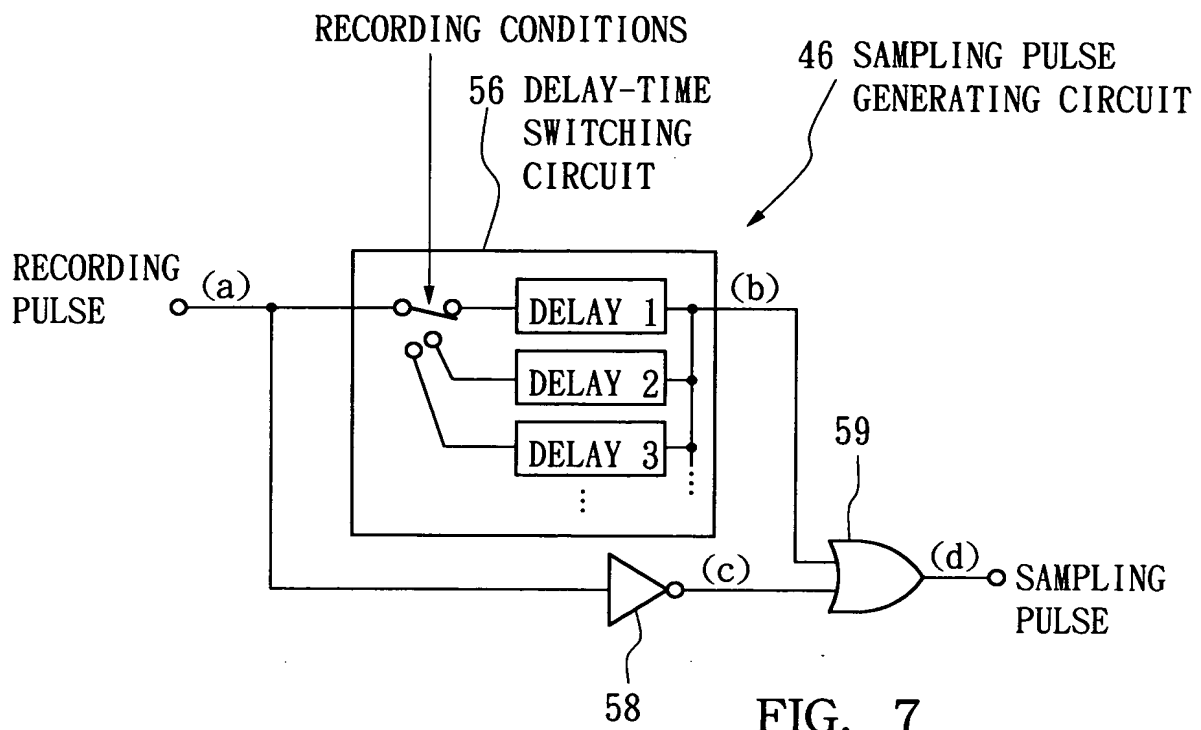


FIG. 6



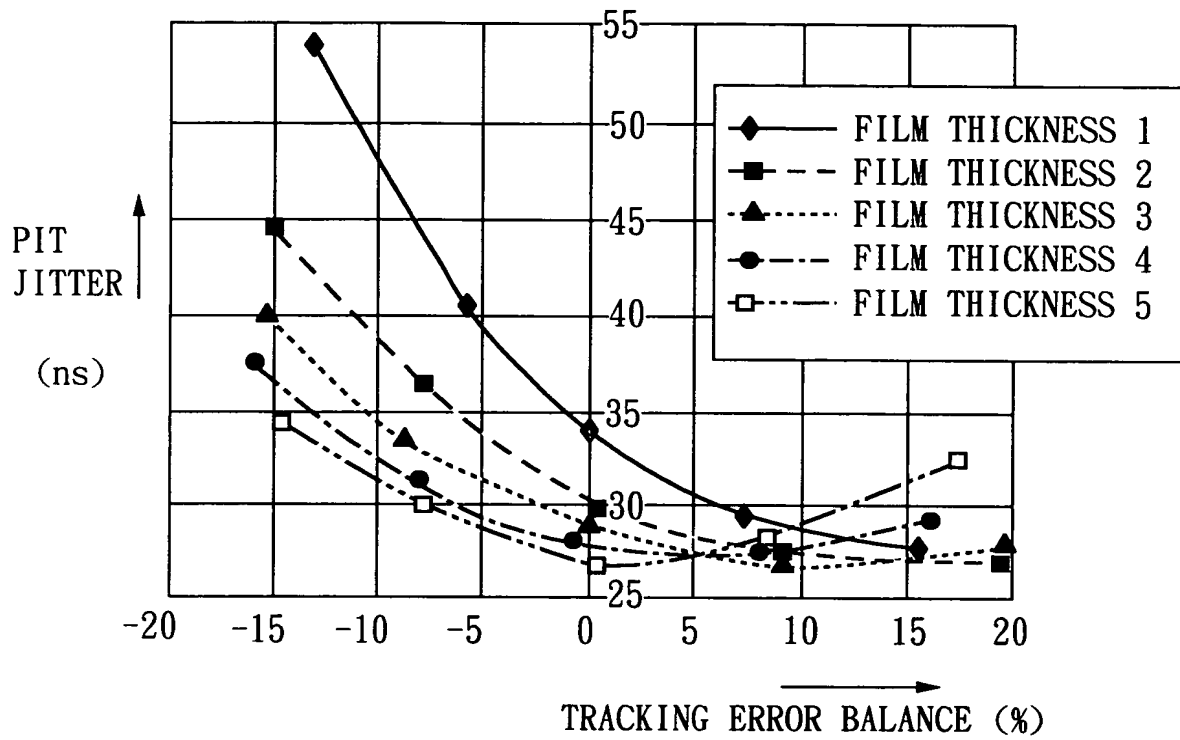


FIG. 9

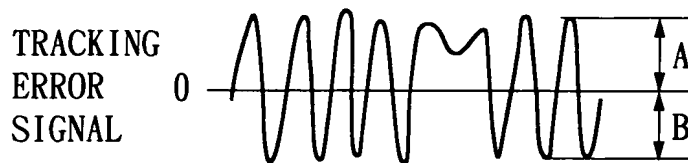


FIG. 10

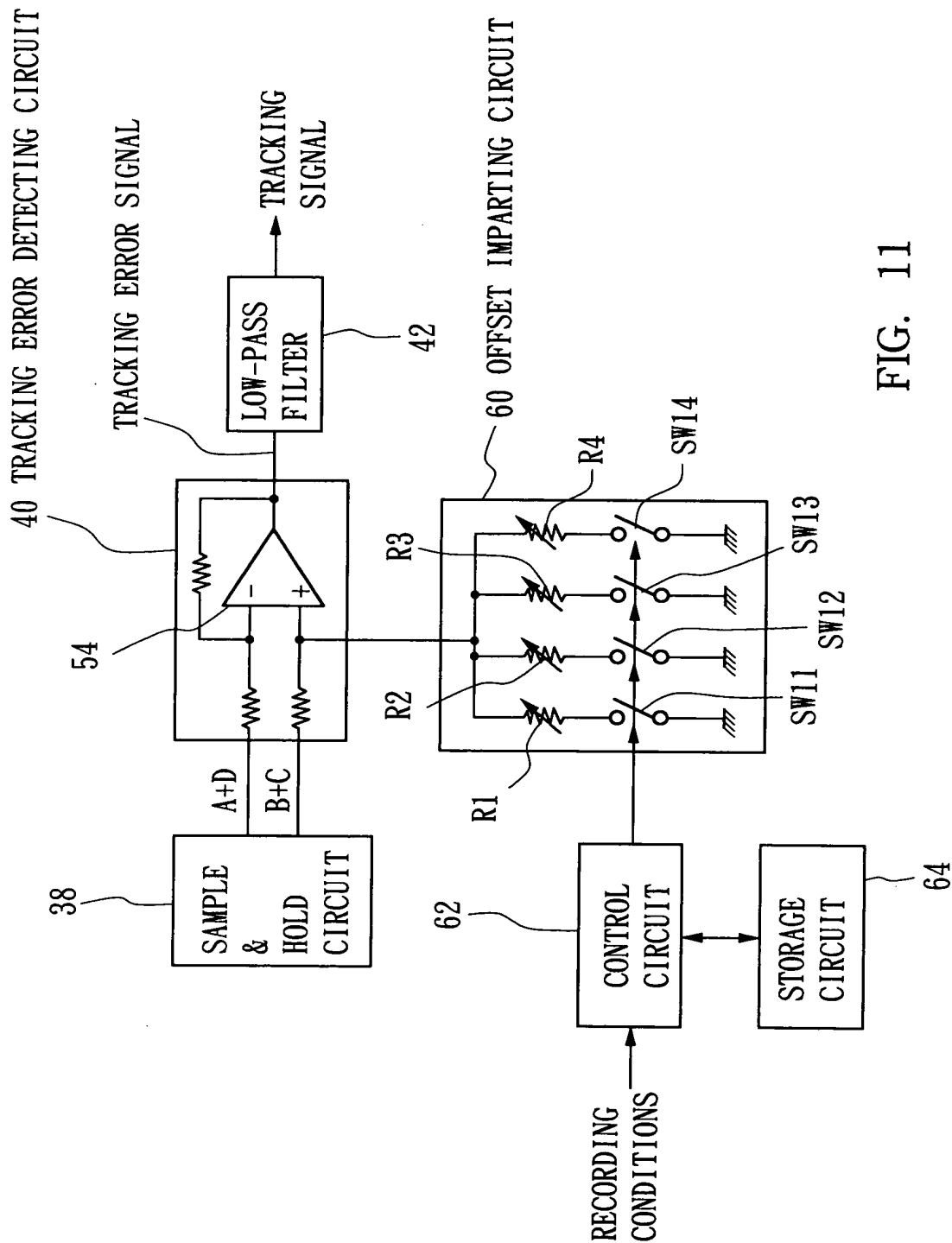


FIG. 11

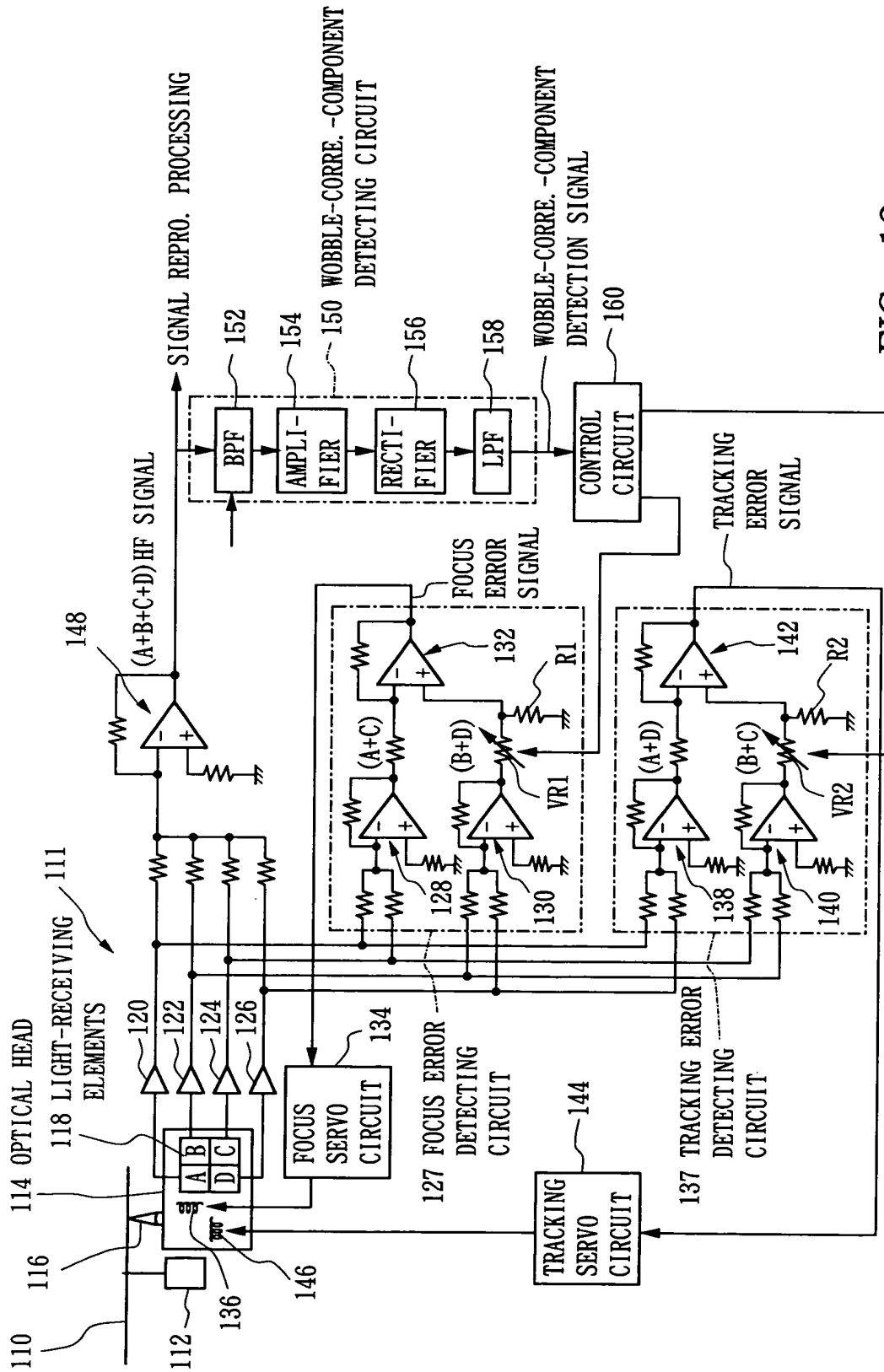


FIG. 12

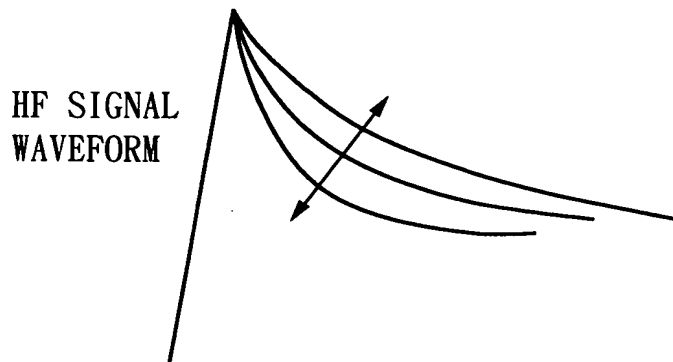


FIG. 13
PRIOR ART

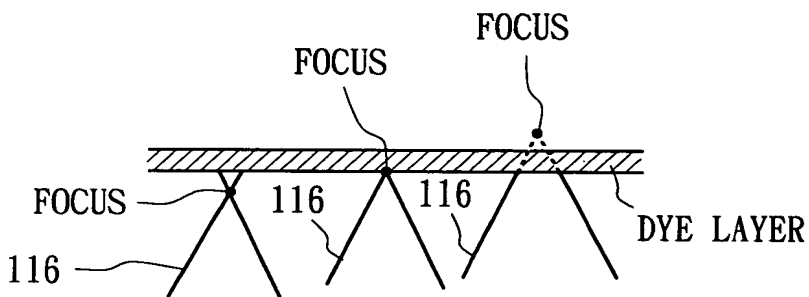


FIG. 16A

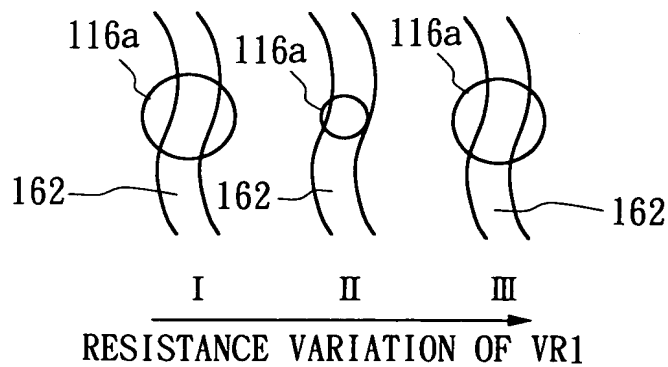
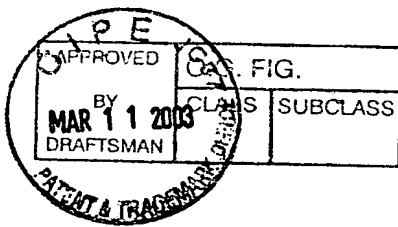


FIG. 16B



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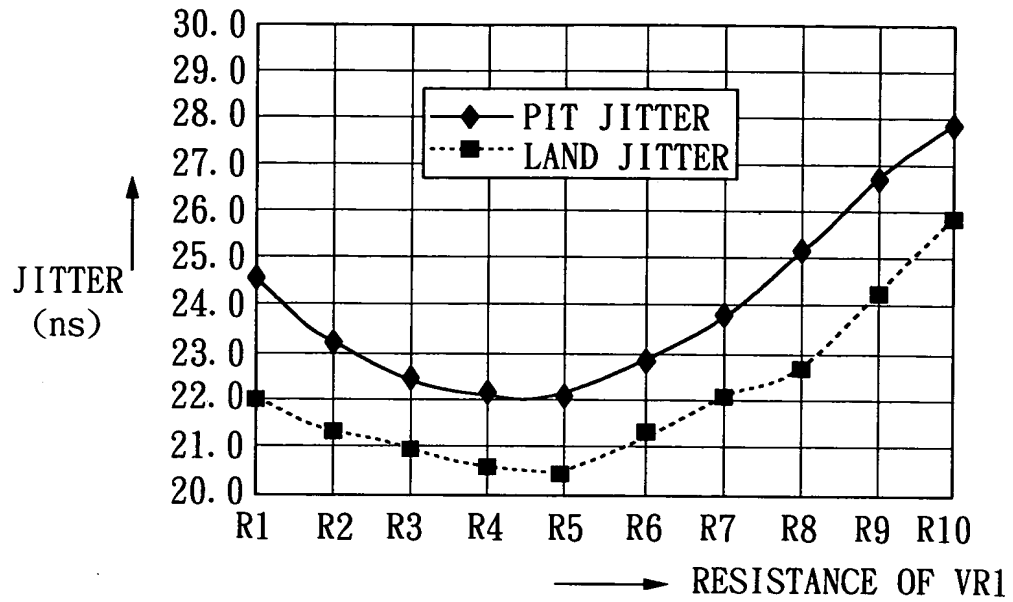


FIG. 14

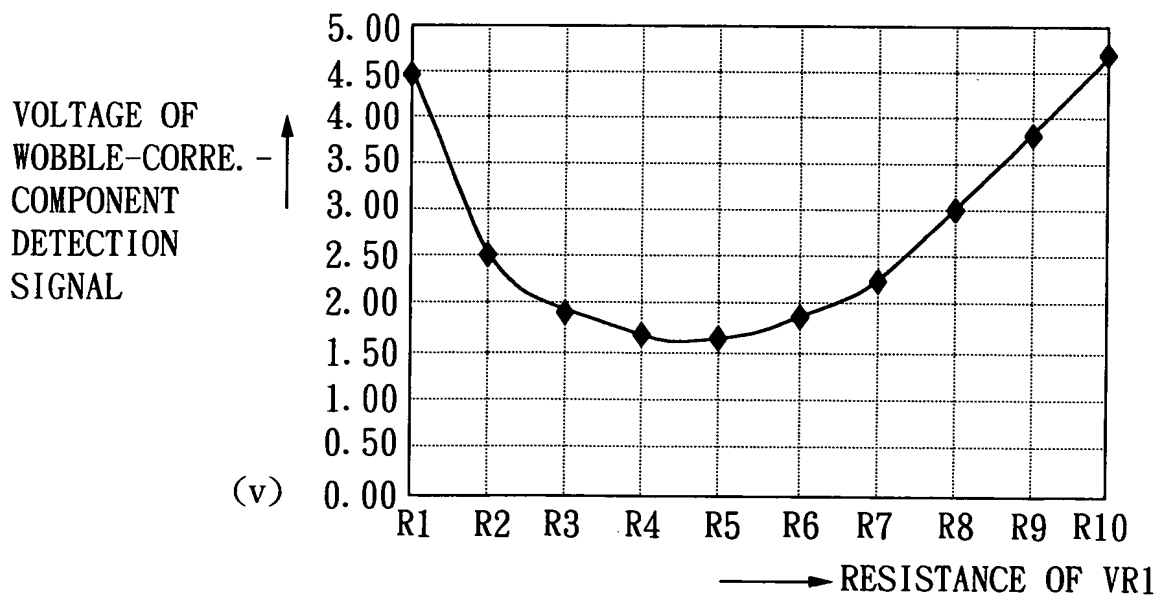


FIG. 15

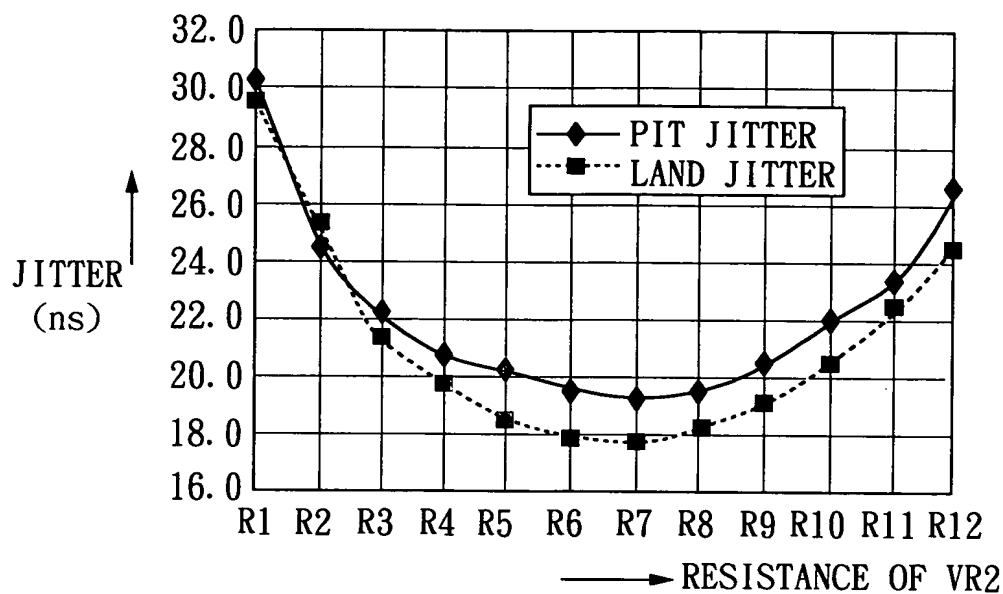


FIG. 17

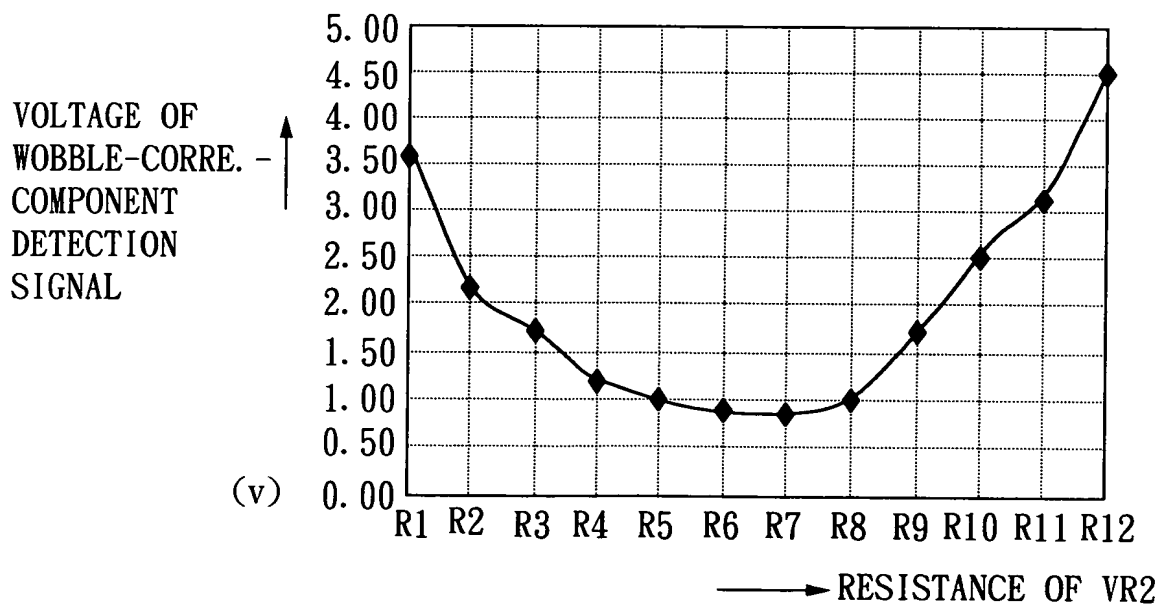
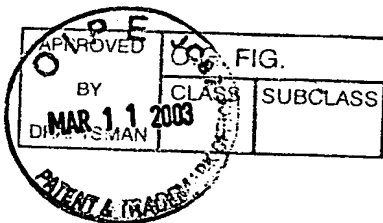


FIG. 18



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TRACKING
ERROR SIGNAL

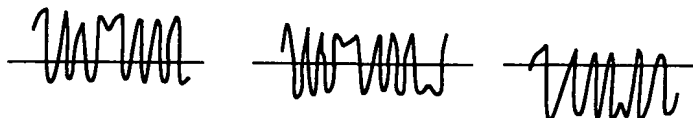
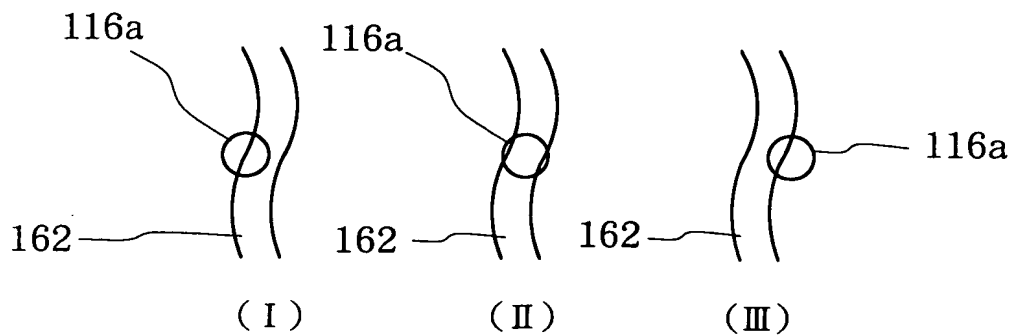


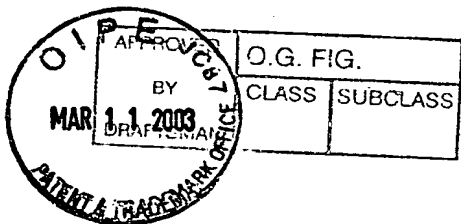
FIG. 19A



RESISTANCE VARIATION OF VR2

FIG. 19B





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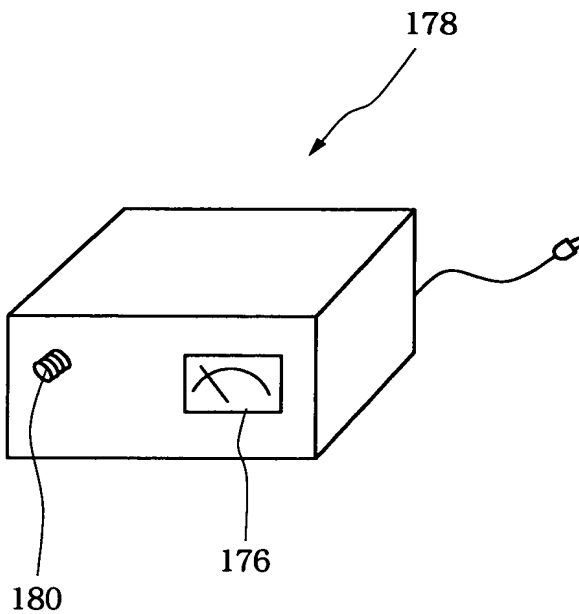


FIG. 21A

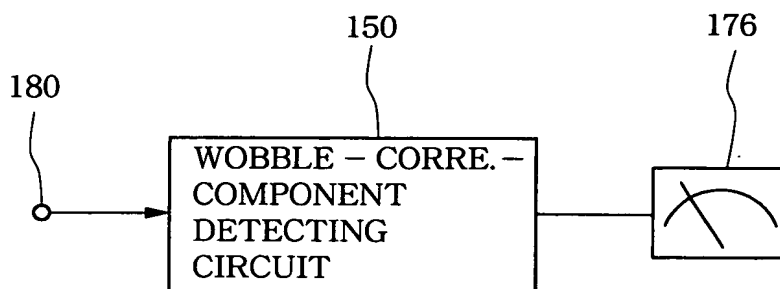


FIG. 21B